ENNUATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE
Office of the Executive Engineer, Dasarahalli Division
Schedule B

NAME OF THE WORK: Improvement to Drain and Roads at Main and Cross roads near STP Plant BTG Layout at Shettahgunte Ward No 14

Sl. No	Description of work	Unit	Qty	Rates quoted by contractor Sri R.Shivaram	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.	Cum	810	184.75	Rupees One Hundred Eighty Four and Seventy Five Paise Only
2	Providing and laying in position plain cement concrete cum of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	353.7	5099.17	Rupees Five Thousand Ninety Nine and Seventeen Paise Only
3	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons.	Sqm	2340	306.98	Rupees Three Hundred Six and Ninety Seven Paise Only
4	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge. Specification No. KBS 4.6.3- TMT bars Fe 500	Tonne	17.62	63498.20	Rupees Sixty Three Thousand Four Hundred Ninety Eight and Nineteen Paise Only

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5	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mix concrete(RMC) for RCC works laid in 15 cms thick layers and well conpacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exlusive of cost of steel and fabrication charges) Ready mix concrete M-20 for raft foundation, coulmn and footing, main ans secondary beams.	Cum	280.35	6159.45	Rupees Six Thousand One Hundred Fifty Nine and Forty Five Paise Only
6	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}	Sqm	774.2	1851.27	Rupees One Thousand Eight Hundred Fifty One and Twenty Seven Paise Only
7	Providing and laying Pre Cast Drain Cover slabs of 250mm thickness including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)	Sqm	135	4169.07	Rupees Four Thousand One Hundred Sixty Nine and Seven Paise Only
8	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density.	Cum	577.5	316.40	Rupees Three Hundred Sixteen and Forty Paise Only
9	Excavation for roadwork in ail types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. and 9 Kms Lead for Disposal	Cum	472.5	76.66	Rupees Seventy Six and Sixty Six Paise Only

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10	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	315	1747.57	Rupees One Thousand Seven Hundred Forty Seven and Fifty Seven Paise Only
11	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement,M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, including curing, finishing to lines and grades as per drawing complete as per specifications.	Cum	236.25	6145.84	Rupees Six Thousand One Hundred Forty Five and Eighty Three Paise Only
12	Vaccum De-Watering With Vaccum Pump and Suction Mat and Compaction With Skin Floater Clubbed With Floating Disc Including Cost of Generator , HOM Of Machinery Screed Viabratory, Power Floater, Blade And Disc With all Lear and Lift complete as per specification.	Sqm	1575	94.30	Rupees Ninety Four and Twenty Nine Paise Only

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